

Title (en)

CO-CONTINUOUS BLEND OF A FLUOROPOLYMER AND A THERMOPLASTIC AND METHOD

Title (de)

CO-KONTINUIERLICHE MISCHUNG EINES FLUORPOLYMERS MIT EINEM THERMOPLASTEN SOWIE VERFAHREN

Title (fr)

MELANGE CO-CONTINU D'UN POLYMERE FLUORE ET D'UN THERMOPLASTIQUE ET PROCEDE

Publication

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Application

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Abstract (en)

[origin: US6127486A] PCT No. PCT/EP97/05159 Sec. 371 Date Aug. 14, 1998 Sec. 102(e) Date Aug. 14, 1998 PCT Filed Sep. 19, 1997 PCT Pub. No. WO98/12255 PCT Pub. Date Mar. 26, 1998 Microporous PTFE (ePTFE) is known to possess certain properties based on which it is excellently suited for specific purposes, for example, the material is air-permeable and water vapor-permeable, but not water-permeable so that it can be used for filter membranes, etc. In order to create additional functions and application possibilities for this material, a material is proposed that consists of a blend of a fluoropolymer and a thermoplastic. The two substances in the material are present as continuous structures, in which at least one of these structures, preferably both structures, are microporous. The two structures are intertwined with each other and form a so-called co-continuous macrostructure.

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